

WAMDII OBSERVATION OF AN AURORAL ATMOSPHERIC WAVE EVENT

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Field tests of WAMDII¹ (Wide Angle Michelson Doppler Imaging Interferometer) on February 23/24, 1984 in Saskatoon produced wind images of the aurora that show well-defined wave structures in $\lambda 5577$. Wavelengths and velocities of these structures suggest an acoustic-gravity wave interpretation, but their short duration warrants their being termed an event. The dopplergrams are presented with emphasis on the interpretation of the waves and a discussion of possible sources.

¹G. G. Shepherd and WAMDII Coinvestigators, submitted to Geophys. Res. Let., 1984